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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

MCADAMS, BRAD

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/528,978	Applicant(s) MAEKAWA ET AL.	
	Examiner ROBERT B. MCADAMS	Art Unit 2456	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 September 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 35-50 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 35-50 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>07/03/2008, 07/17/2008</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office Action is in response to the amendment filed on September 29, 2008.
2. Claims 1 and 35-50 are pending.

Response to Arguments

3. Applicant's arguments with respect to Claims 36-37 and 39-50 have been considered but are moot in view of the new ground(s) of rejection.

4. Applicant's arguments have been fully considered but they are not persuasive.

As to **Claims 1 and 38**, the Applicant argues *Arrow* does not disclose an index information holding section, in the electronic device, holding index information that is information for obtaining an electronic equipment identifier (Paragraph 1, Page 7). The Examiner respectfully disagrees. *Arrow's* User ID 820 represents an 'index information', provided by User 810, stored and transmitted from Remote Machine 812, in which Address Translation Unit 808 uses to obtain the actual address (electronic equipment identifier), i.e. Privileged Address 826 (Figure 9; Column 12). Therefore, the actual address is still securely protected from those on outside networks.

As to **Claims 35**, the Applicant argues *Arrow* does not disclose accessing related information based upon the privileged address (Paragraph 4, Page 7). The Examiner respectfully disagrees. In Step 916, Figure 9 the Privileged Address 826 allows Address Translation Unit 808 to forward the packet to the Local Machine 802. The function of forwarding said packet includes the Address Translation Unit 808 accessing related information, i.e. a MAC address for example, and even the Privileged Address

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826, to send the packet from the public network into the private network and to the Local Machine 802, said functionality is well known in the art (Column 10, Lines 1-8).

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. **Claims 1, 35, 38, 42-43, and 46** are rejected under 35 U.S.C. 102(b) as being anticipated by *Arrow* (U.S. Patent No. 6,154,839).

As to **Claim 1**, *Arrow* discloses an information processing system (**Figure 8**) comprising: electronic equipment (**Remote Machine 812**) and a server device (**Address Translation Unit 808**),

The electronic equipment comprising: an index information (**User ID 820, Figure 8**) holding section holding index information that is information for obtaining an electronic equipment identifier (**Privileged Address 826, Figure 8**);

a send information sending section for obtaining index information from the index information holding section and sending send information containing the index information to the server device (**A User 810 sends a Data Packet 814 to server device, Address Translation Unit 808, which includes index information User ID 820**).

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and the server device comprising an electronic equipment related information storage section storing one or more pieces of electronic equipment related information **(Address Translation Unit 808 stores a pool of privileged addresses related to said electronic equipment. Column 12, Lines 1-16),**

an electronic equipment identifier index correspondence management section for storing the electronic equipment identifier corresponded to the index information **(The electronic equipment identifier, User ID, is stored for authentication purposes along with the privileged address pool. Column 12, Lines 21-30);**

a send information receiving section for receiving the send information from the electronic equipment **(Step 904, Figure 9);** and

an information accessing section for obtaining the electronic equipment identifier based on the index information contained in the send information received by the send information receiving section **(Index information (User ID) is authenticated, electronic equipment identifier (privileged address) is obtained and added to packet. (Figure 9; Column 12).**

As to **Claim 35**, *Arrow* further discloses wherein the information accessing section obtains an electronic equipment identifier based on index information contained in send information received by the send information receiving section, and accesses the electronic equipment related information based on the electronic equipment identifier **(Step 908, Figure 9; Column 12, Lines 35-36).**

As to **Claim 38**, *Arrow* further discloses an electronic equipment to configure the information processing system according to claim 1 (**VPN Management Station 160, Figure 1; Column 9, Lines 19-28**).

As to **Claim 42**, *Arrow* further discloses wherein the electronic equipment related information includes an Internet protocol address for accessing the electronic equipment (**Privileged Address 826. Column 4, Lines 26-29**).

As to **Claim 43**, *Arrow* further discloses wherein the electronic equipment identifier is an Internet protocol address associated with the electronic equipment (**Privileged Address 826. Column 4, Lines 26-29**).

As to **Claim 46**, *Arrow* further discloses wherein the send information does not include the electronic equipment identifier (**The send information only includes the remote and local address out in the Public Network 100. Figure 9; Column 12**).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. **Claims 36-37, 39-41, 44-45 and 47-50** are rejected under 35 U.S.C. 103(a) as being unpatentable over *Arrow* (U.S. Patent No. 6,154,839).

As to **Claim 36, 45 and 50**, *Arrow* discloses a server device comprising an electronic equipment related information storage section storing one or more pieces of

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electronic equipment related information **(Address Translation Unit 808 stores a pool of privileged addresses related to said electronic equipment. Column 12, Lines 1-16),**

an electronic equipment identifier index correspondence management section for storing the electronic equipment identifier corresponded to the index information **(The electronic equipment identifier, User ID, is stored for authentication purposes along with the privileged address pool. Column 12, Lines 21-30);**

a send information receiving section for receiving the send information from the electronic equipment, the send information including the index information **(Step 904, Figure 9);** and

an information accessing section for obtaining the electronic equipment identifier based on the index information contained in the send information received by the send information receiving section **(Index information (User ID) is authenticated, electronic equipment identifier (privileged address) is obtained and added to packet. Figure 9; Column 12).**

However, *Arrow* does not explicitly teach the send information including a packet having a destination address of the server device. *Arrow* describes said server could be implemented in a router **(Column 11, Lines 21-24).**

The Examiner takes official notice that it is well known in the art for packets transmitted on a network to include the destination address of the gateway/router, "server device".

At the time of invention, it would have been obvious to a person of ordinary skill in the art to have the send information include the destination address of the server device.

As to **Claim 37**, *Arrow* further discloses wherein the information accessing section obtains an electronic equipment identifier based on index information contained in send information received by the send information receiving section, and accesses the electronic equipment related information based on the electronic equipment identifier **(Step 908, Figure 9; Column 12, Lines 35-36)**.

As to **Claim 39**, *Arrow* further discloses an information processing system **(Figure 8)** comprising: electronic equipment **(Remote Machine 812)** and a server device **(Address Translation Unit 808)**,

a send information receiving step for receiving the send information from the electronic equipment and index information associated with an electronic equipment identifier of the electronic equipment **(Step 904, Figure 9)**;

an information accessing step for obtaining the electronic equipment identifier at the server device based on the index information included in the send information received by the send information receiving step **(Index information (User ID) is authenticated, electronic equipment identifier (privileged address) is obtained and added to packet at the server device. Figure 9; Column 12)**.

However, *Arrow* does not explicitly teach the send information including a packet having a destination address of the server device. *Arrow* describes said server could be implemented in a router **(Column 11, Lines 21-24)**.

The Examiner takes official notice that it is well known in the art for packets transmitted on a network to include the destination address of the gateway/router, "server device".

At the time of invention, it would have been obvious to a person of ordinary skill in the art to have the send information include the destination address of the server device.

As to **Claim 40**, *Arrow* further discloses wherein the information accessing section obtains an electronic equipment identifier based on index information contained in send information received by the send information receiving section, and accesses the electronic equipment related information based on the electronic equipment identifier (**Step 908, Figure 9; Column 12, Lines 35-36**).

As to **Claims 41 and 44**, *Arrow* further discloses the information processing system as previously discussed in Claim 1.

However, *Arrow* does not explicitly teach wherein the electronic equipment related information and identifier includes port information and a MAC address.

The Examiner takes official notice that it is well known in the art for such information to include port information and MAC addresses.

At the time of invention, it would have been obvious to a person of ordinary skill in the art to modify *Arrow* to include port information and MAC addresses.

As to **Claim 47**, *Arrow* further discloses wherein the electronic equipment identifier is an Internet protocol address associated with the electronic equipment (**Privileged Address 826. Column 4, Lines 26-29**).

As to **Claims 48 and 49**, *Arrow* further discloses wherein the send information does not include the electronic equipment identifier **(The send information only includes the remote and local address in the Public Network 100. Figure 9; Column 12).**

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ROBERT B. MCADAMS whose telephone number is (571)270-3309. The examiner can normally be reached on Monday-Thursday 6:30am-5pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on 571-272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/R. B. M./
Examiner, Art Unit 2456

/Ashok B. Patel/
Primary Examiner, Art Unit 2456